

AMENDMENTS TO THE CLAIMS

Claims 1-46 were filed originally.

Claims 1-12 and 17-44 are canceled.

No claims are amended.

Accordingly, claims 13-16 and 45-46 remain pending.

1. (Canceled)

2. (Canceled)

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10. (Canceled)

11. **(Canceled)**

12. **(Canceled)**

13. **(Original)** A method for encoding Internet Protocol (IP) data into a
format for transmission over a satellite system, comprising the following steps:

receiving an IP packet having an N-byte IP data block, an A-byte transport
protocol header, and a B-byte IP header;

constructing a variable-length multi-packet transport (MPT) frame having
an M-byte data payload and a C-byte header;

inserting the entire (N+A+B)-byte IP packet into the M-byte data payload
of the MPT frame; and

constructing from the (M+C)-byte MPT frame one or more fixed-size
multi-byte MPT packets, each MPT packet having at least one header to designate
what portion of the MTP frame is contained in the MPT packet.

14. **(Original)** A method as recited in claim 13, further comprising the
step of calculating error correction information for the one or more MPT packets.

15. **(Original)** A method as recited in claim 14, further comprising the
step of attaching the error correction information as a multi-byte trailer to one of
the MPT packets.

1 16. (Original) A method as recited in claim 13, further comprising the
2 step of transmitting the MPT packets.

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4 17. (Canceled)

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1 **28. (Canceled)**

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13 **44. (Canceled)**
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16 **45. (Original) A computer-readable memory having a packet structure**
17 **that can be encoded into a satellite data packet for transmission over a satellite**
18 **network, the packet structure comprising:**

19 **a data block containing at least a portion of a computer network data**
20 **packet;**

21 **a header positioned before the data block, the header designating whether**
22 **the portion of the network data packet contained in the associated data block is a**
23 **starting portion of the network data packet, an ending portion of the network data**
24 **packet, or a middle portion of the network data packet;**

25 **in an event that the data block contains the starting portion of the network**
26 **data packet, an address header positioned before the data block; and**

27 **in an event that the data block contains the ending portion of the network**
28 **data packet, an error correction trailer containing error correction data positioned**
29 **after the data block.**

1 46. (Original) A computer-readable memory as recited in claim 45,
2 wherein the portion header is one byte, the address header is six bytes, and the
3 error correction trailer is four bytes.

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